

# Contribution Report

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## Specific tasks and responsibilities :

- My task is to load and represent data effectively using Excel sheets.
- Gathered the vehicle entry and exit time frequency dataset, occupancy of parking lot dataset from the model.
- Used Excel sheets to represent huge amounts of real-time data.
- Preprocessed these datasets.
- Created and Generated dashboards using Streamlit tool.
- Parking occupancy over duration (Line Chart), Occupied and Unoccupied parking spaces grouped by parking lots (Bar Chart) and many other charts.

## Code sections written or major contribution to the project :

- By Streamlit generated the dashboard.
- DAX is used in Streamlit for creating custom calculations and aggregations. Below are examples of calculated columns and measures
- Used Streamlit to clean, transform, and shape data.

## Any challenges faced and how they were overcome :

- I faced challenges in collecting real-time data (collected from our college).
- loading huge amounts of real-time data and representing it on excel sheets

## Collaboration with team members :

- We divided the project work and started working on the part in which he/she is good at that work.
- Communicating with each other for regular updates.
- Giving some other ideas on insights generation.